# حل أسئلة مراجعة الوحدة السادسة المسار المتقدم منهج ريفيل

| |
|---|
| موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف السادس ⇦ رياضيات ⇦ الفصل الثاني ⇦ حلول ⇦ الملف |

| المزيد من مادة رياضيات: | ملفات I كتب للمعلم I كتب للطالب I اختبارات الكترونية I اختبارات I حلول I عروض بوربوينت I أوراق عمل I منهج انجليزي I ملخصات وتقارير I مذكرات وبنوك I الامتحان النهائي I للمدرس |
|---|---|

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| إعداد: أكاديمية أجيال المستقبل |

## التواصل الاجتماعي بحسب الصف السادس

| صفحة المناهج الإماراتية على فيسبوك | | | | |
|---|---|---|---|---|

| المواد على تلغرام | التربية الاسلامية | اللغة العربية | اللغة الانجليزية | الرياضيات |
|---|---|---|---|---|

## المزيد من الملفات بحسب الصف السادس والمادة رياضيات في الفصل الثاني

| أسئلة الاختبار التكويني الثاني بدون حل | 1 |
|---|---|
| أوراق عمل الوحدة السابعة المعادلات | 2 |
| عرض بوربوينت رحلة المتباينات مع قطار الاتحاد الدرس الثاني | 3 |
| عرض بوربوينت مشروع قطار الاتحاد | 4 |
| عرض بوربوينت حل درس الجبر كتابة التعابير | 5 |

أكاديمية أجيال المستقبل

مرخصة من قبل دولة الإمارات العربية المتحدة

اجيال المستقبل

# 2025
# MATH

Grade 6
Advance

## H.W 1 >> Lesson 6-1

**1)** Is 7, 8, or 9 the solution of the equation $4.7 + x = 12.7$?

**2)** Is 8, 9, or 10 the solution of the equation $z + 8.9 = 17.9$?

**3)** Is 13, 14, or 15 the solution of the equation $a + 12.3 = 27.3$?

**4)** Is 18, 19, or 20 the solution of the equation $3.6 + r = 21.6$?

**5)** Is 10, 11, or 12 the solution of the equation $b - 3.3 = 8.7$?

**6)** Is 13, 14, or 15 the solution of the equation $z - 6.4 = 7.6$?

**7)** Is 10, 11, or 12 the solution of the equation $e - 4.9 = 5.1$?

**8)** Is 16, 17, or 18 the solution of the equation $i - 8.2 = 7.8$?

**9)** Is 7, 8, or 9 the solution of the equation $4.25y = 34$?

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## HW2 >>> Lesson 6-2

**1)** On Monday and Tuesday, Daniel's service group collected of 48.4 pounds of cans for recycling. The group collected 23 pounds of cans on Monday. Which addition equation could be used to find the number of pounds of cans $p$ Daniel's group collected on Tuesday?

- ○ $48.4 + 23 = p$
- ○ $23 + p = 48.4$
- ○ $48.4 + p = 23$
- ○ $48.4 + 23 = p + 23$

**2)** Isabella and Tiana have a fudge business. Last weekend, they made a total of 12.8 pounds of fudge. Isabella made 4.6 pounds of fudge. Which addition equation could be used to find the number of pounds of fudge $t$ Tiana made?

- ○ $4.6 + 12.8 = t$
- ○ $t + 12.8 = 4.6$
- ○ $4.6 + t = 12.8$
- ○ $4.6t = 12.8$

**3)** Jaylen and Destiny bought a video game that cost \$65.75. Jaylen contributed \$43 to the cost of the video game. Which addition equation could be used to find how much money $d$ Destiny contributed to the cost of the video game?

- ○ $43 + d = 65.75$
- ○ $43 = 65.75 + d$
- ○ $d = 65.75 + 43$
- ○ $d + 65.75 = 43$

**4)** Elena's parents agree to pay for part of a computer that costs \$845.75. Elena's parents contribute \$380 to the cost of the computer. Which addition equation could be used to find how much money $c$ Elena must contribute to the cost of the computer?

- ○ $c = 845.75 + 380$
- ○ $c + 845.75 = 380$
- ○ $380c = 845.75$
- ○ $380 + c = 845.75$

3

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## HW2 >>> Lesson 6-2

**10)** Solve $17 = 8 + b$.

b = __

**11)** Solve $7 + c = 9$.

$c = $ __

**12)** Solve $9 + g = 23$.

$g = $ __

**13)** Solve $2\frac{1}{2} + x = 7\frac{1}{4}$.

$x = $ __

**14)** Solve $5\frac{1}{4} + z = 8\frac{1}{2}$.

$z = $ __

**15)** Solve $6\frac{3}{4} = 1\frac{1}{4} + y$.

$y = $ __

## HW2 >>> Lesson 6-2

**16)** Solve $11\frac{1}{4} = s + 3\frac{3}{4}$.

$s = \underline{\phantom{xx}}$

**17)** Solve $12.35 = 4.85 + n$.

$n = \underline{\phantom{xx}}$

**18)** Solve $14.65 = 3.15 + r$.

$r = \underline{\phantom{xx}}$

**19)**

Solve for $u$.

$$u + \frac{2}{3} = 4\frac{1}{2}$$

$u = \underline{\phantom{xxxxxxx}}$

## H.W 3 >>>> Lesson 6-3

**1)** Brianna's gymnastics club collected 83 toys for a toy drive. This is 26 fewer than the number of toys collected by Latoya's dance team. Select a subtraction equation that could be used to find the number of toys collected by Latoya's dance team.

- ○ $26 - t = 83$
- ○ $83 - t = 26$
- ○ $26 - 83 = t$
- ○ $t - 26 = 83$

**2)** The Tigers soccer team scored 38 goals last season. This is 19 fewer than the number of goals scored by the Cubs soccer team. Select a subtraction equation that could be used to find the number of goals scored by the Cubs soccer team last season.

- ○ $g - 19 = 38$
- ○ $19 - g = 38$
- ○ $19 - 38 = g$
- ○ $38 - g = 19$

**3)** Ruby is 7 years old. She is the youngest of her siblings and 12 years younger than her oldest sibling. Select a subtraction equation that could be used to find the age of Ruby's oldest sibling.

- ○ $12 - a = 7$
- ○ $a = 12 - 7$
- ○ $a - 12 = 7$
- ○ $a = 7 - 12$

**4)** Water in an ice tray was cooled to 32 degrees Fahrenheit. This is 43 degrees less than its starting temperature. Select a subtraction equation that could be used to find the change in the temperature of the water in degrees.

- ○ $32 - 43 = w$
- ○ $43 - 32 = w$
- ○ $43 - w = 32$
- ○ $w - 43 = 32$

**6**

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**H.W 3 >>>> Lesson 6-3**

**9)** Solve $17 = b - 8$.

$b =$ __

**10)** Solve $8 = x - 5$.

$x =$ __

**11)** Solve $i - 6 = 18$.

$i =$ __

**12)** Solve $d - 3 = 11$.

$d =$ __

**13)** Solve $y - 4\frac{1}{2} = 2\frac{1}{4}$.

$y =$ __

**14)** Solve $z - 3\frac{2}{9} = 9\frac{1}{3}$.

$z =$ __

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## H.W 3 >>>> Lesson 6-3

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**15)** Solve $1\frac{1}{4} = r - 7\frac{3}{4}$.

$r = $ __

**16)** Solve $13\frac{2}{3} = s - 1\frac{1}{9}$.

$s = $ __

**17)** Solve $5.8 = f - 3.35$.

$f = $ __

**18)** Solve $4.35 = q - 6.25$.

$q = $ __

**8**

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## H.W 4 >>> Lesson 6-4

**1)** Carlos and his friends go to a movie. The total cost of their tickets is $110, and each person pays $13.75. Which multiplication equation can be used to find how many people *m* buy tickets to the movie?

- ⭘ $13.75m = 110m$
- ⭘ $m = 13.75(110)$
- ⭘ $110m = 13.75$
- ⭘ $13.75m = 110$

**2)** Danisha sells necklaces she makes at a craft fair. She earns a total of $152, and each necklace sells for $9.50. Which multiplication equation can be used to find how many necklaces *n* Danisha sells?

- ⭘ $n = 152(9.5)$
- ⭘ $9.5n = 152$
- ⭘ $152n = 9.5$
- ⭘ $9.5n = 152n$

**3)** A toy tester finds that a new battery-operated car takes $\frac{1}{3}$ hour to travel a mile. The toy car travels for $2\frac{3}{5}$ hours before running out of battery power. Which multiplication equation can be used to find the number of miles *c* the toy car travels before running out of battery power?

- ⭘ $2\frac{3}{5}c$
- ⭘ $c = \frac{1}{3}\left(2\frac{3}{5}\right)$
- ⭘ $\frac{1}{3}c = 2\frac{3}{5}$
- ⭘ $2\frac{3}{5}\left(\frac{1}{3}\right) = c$

**4)** It takes $\frac{2}{5}$ hour to fill a gallon container with liquid soap from a dispenser in a factory. Yesterday, the dispenser ran for $3\frac{1}{3}$ hours. Which multiplication equation can be used to find the number of gallons of soap *w* that were dispensed?

- ⭘ $3\frac{1}{3}w = \frac{2}{5}$
- ⭘ $\frac{2}{5}w = 3\frac{1}{3}$
- ⭘ $w = \frac{2}{5}\left(3\frac{1}{3}\right)$
- ⭘ $\frac{2}{5}w = 3\frac{1}{3}w$

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**H.W 4 >>> Lesson 6-4**

**10)** Solve $24 = 6y$.

$y = \underline{\phantom{xx}}$

**11)** Solve $8f = 40$.

$f = \underline{\phantom{xx}}$

**12)** Solve $3s = 39$.

$s = \underline{\phantom{xx}}$

**13)** Solve $\frac{3}{4}z = \frac{4}{7}$.

$z = \underline{\phantom{xx}}$

**14)** Solve $\frac{4}{5}a = \frac{2}{3}$.

$a = \underline{\phantom{xx}}$

**15)** Solve $\frac{1}{8} = \frac{2}{3}i$.

$i = \underline{\phantom{xx}}$

**H.W 4 >>> Lesson 6-4**

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**16)** Solve $\frac{3}{7} = \frac{1}{2}m$.

$m = $ __

**17)** Solve $36.33 = 4.2v$.

$v = $ __

**18)** Solve $6.3q = 47.25$.

$q = $ __

**19)**
Solve for $n$.

$$\frac{5}{6}n = 30$$

$n = $ _____

## H.W 5 >>> Lesson 6-5

**1)** Enrique uses 6.94 ounces of dough to make a pizza. He makes 27 pizzas on Tuesday. Which division equation could be used to find the total number of ounces of dough $p$ Enrique uses on Tuesday?

- ○ $\frac{6.94}{p} = 27$
- ○ $p = \frac{27}{6.94}$
- ○ $p \div 6.94 = 27$
- ○ $27 \div p = 6.94$

**2)** Sarah walks the same number of miles each day on her treadmill. She walks 3.5 miles each day for one week. Which division equation could be used to find the total number of miles $w$ Sarah walks during that week?

- ○ $3.5 \div w = 7$
- ○ $\frac{7}{3.5} = w$
- ○ $w = 3.5 \div 7$
- ○ $w \div 3.5 = 7$

**3)** A dog groomer has 295.2 ounces of dog shampoo. The groomer uses 2.4 ounces of shampoo to wash each dog. Which division equation could be used to find the total number of dogs $d$ the groomer can wash?

- ○ $d \div 295.2 = 2.4$
- ○ $\frac{295.2}{d} = 2.4$
- ○ $\frac{2.4}{d} = 2.4$
- ○ $\frac{d}{2.4} = 295.2$

**4)** Sam's skateboard company has 457.6 feet of wood. Sam uses 3.2 feet of wood to make each skateboard. Which division equation could be used to find the total number of skateboards $s$ Sam can make?

- ○ $\frac{s}{457.6} = 3.2$
- ○ $s \div 3.2 = 457.6$
- ○ $\frac{457.6}{s} = 3.2$
- ○ $3.2 \div s = 457.6$

## H.W 5 >>> Lesson 6-5

**9)** Solve $13 = \frac{v}{3}$.

$v = $ __

**10)** Solve $9 = \frac{u}{4}$.

$u = $ __

**11)** Solve $\frac{m}{8} = 8$.

$m = $ __

**12)** Solve $\frac{w}{5} = 7$.

$w = $ __

**13)** Solve $\frac{c}{3} = \frac{2}{5}$.

$c = $ __

**14)** Solve $\frac{q}{6} = \frac{2}{5}$.

$q = $ __

## H.W 5 >>> Lesson 6-5

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**15)** Solve $\frac{3}{4} = \frac{t}{6}$.

$t = \underline{\phantom{xx}}$

**16)** Solve $\frac{1}{3} = \frac{t}{9}$.

$t = \underline{\phantom{xx}}$

**17)** Solve $6.53 = \frac{v}{3.5}$.

$v = \underline{\phantom{xx}}$

**18)** Solve $8.45 = \frac{v}{6.32}$.

$v = \underline{\phantom{xx}}$

14
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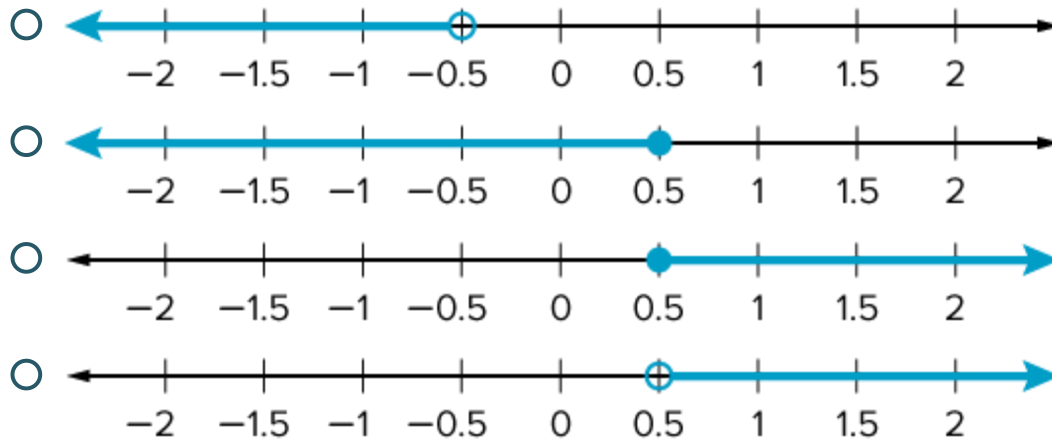## H.W 6>>> Lesson 6-6

**1)** A pizza company has a rule that its pizza must be delivered in fewer than 24 minutes or it is considered late. Which inequality represents the time *t* in minutes in which the pizza must be delivered before it is late?

- ○ $t < 24$
- ○ $t > 24$
- ○ $t \leq 24$
- ○ $t \geq 24$

**2)** A customer gets free shipping when the cost of a purchase at an online store is more than $35. Which inequality represents the amounts in dollars *d* a customer must spend to get free shipping?

- ○ $d < 35$
- ○ $d > 35$
- ○ $d \leq 35$
- ○ $d \geq 35$

**3)** To ride a roller coaster, the rider must be at least 48 inches tall. Which inequality represents the height in inches *i* that makes a rider tall enough to ride the roller coaster?

- ○ $i < 48$
- ○ $i > 48$
- ○ $i \leq 48$
- ○ $i \geq 48$

**4)** No more than 36 children can safely ride on the bus to go on the field trip. Which inequality represents the number of children *c* who can safely ride on the bus?

- ○ $c > 36$
- ○ $c \geq 36$
- ○ $c \leq 36$
- ○ $c < 36$

## H.W 6>>> Lesson 6-6

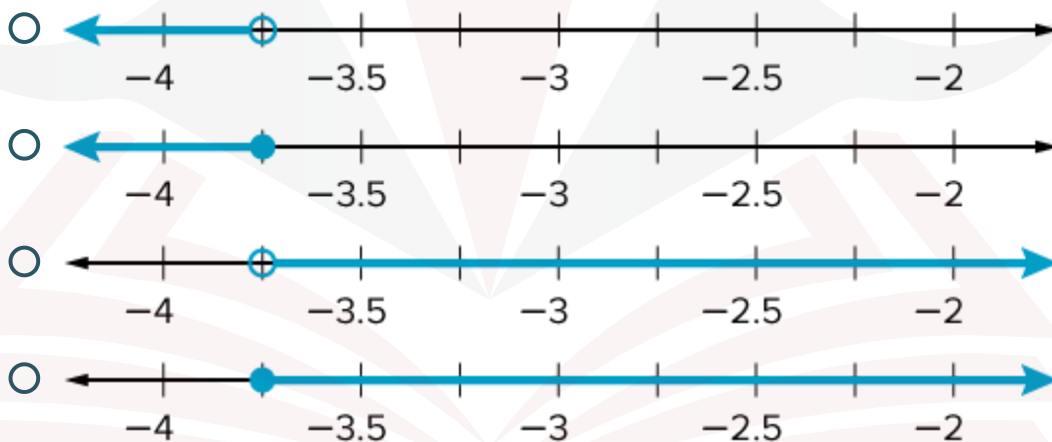**5)** Which of the following shows the graph of the inequality $u < -0.5$?



**6)** Which of the following shows the graph of the inequality $m > 1.6$?



**7)** Which of the following shows the graph of the inequality $c \leq -3.75$?

16

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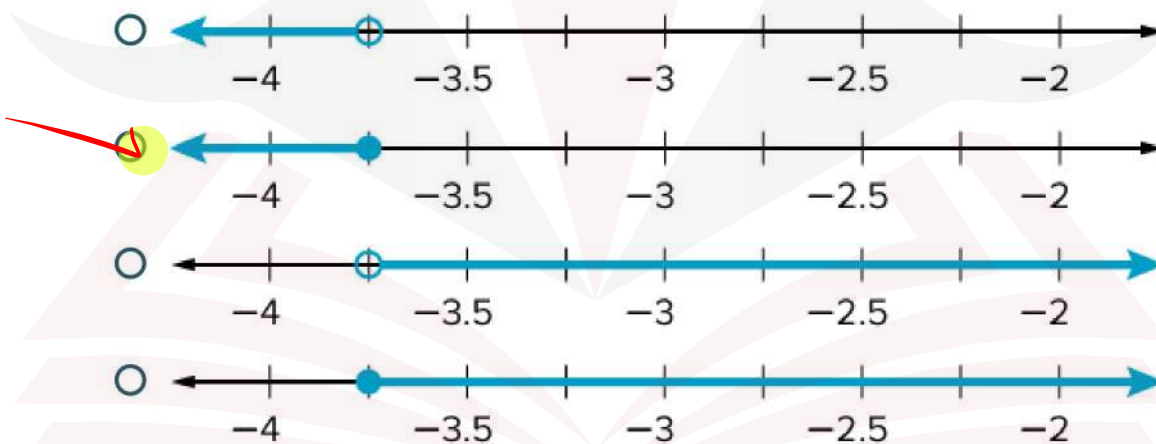
## H.W 6>>> Lesson 6-6

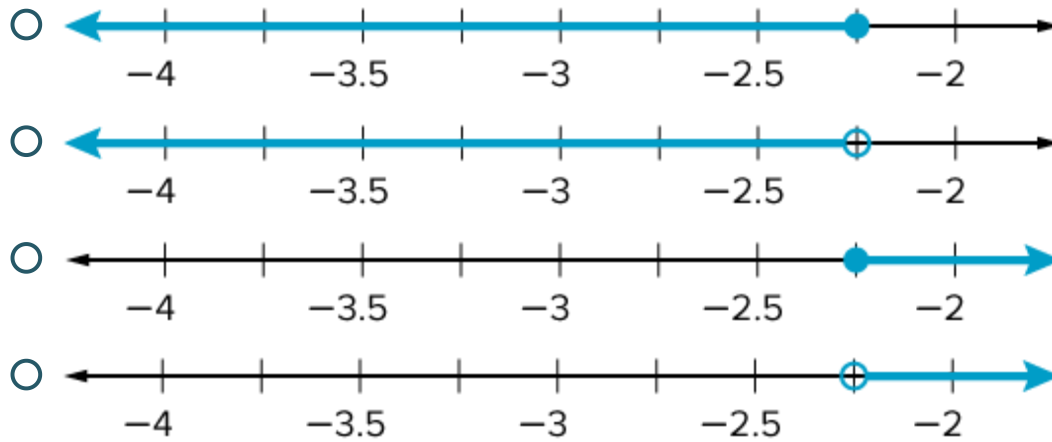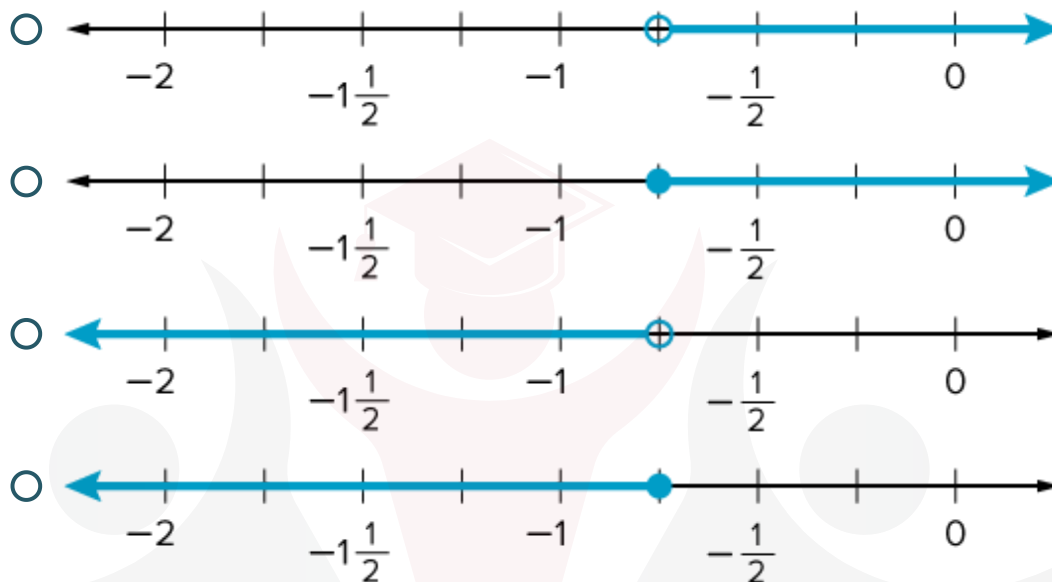**8)** Which of the following shows the graph of the inequality $r \geq -2.25$?



**9)** Which of the following shows the graph of the inequality $i > -\frac{3}{4}$?

17

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## H.W 6>>> Lesson 6-6

**10)** Which of the following shows the graph of the inequality $u \geq \frac{2}{5}$ ?



○



○



○



○

**11)** Identify which of the following are solutions of the inequality $z - 3 < 9$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
|          |                |

| Answer Bank |
|-------------|
| 11   12   13 |

18
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## H.W 6>>> Lesson 6-6

**12)** Identify which of the following are solutions of the inequality $h + 6 \geq 23$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
|          |                |

| Answer Bank |
|-------------|
| 15    16    17 |

**13)** Identify which of the following are solutions of the inequality $v - 5 \leq 17$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
|          |                |

| Answer Bank |
|-------------|
| 21    22    23 |

**14)** Identify which of the following are solutions of the inequality $3u \leq 1$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
|          |                |

| Answer Bank |
|-------------|
| $\frac{1}{4}$    $\frac{1}{3}$    $\frac{1}{2}$ |

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## H.W 1 >> Lesson 6-1

**1)** Is 7, 8, or 9 the solution of the equation $4.7 + x = 12.7$?

$4.7 + 8 = 12.7$     then $x = 8$

**2)** Is 8, 9, or 10 the solution of the equation $z + 8.9 = 17.9$?

$9 + 8.9 = 17.9$     then $z = 9$

**3)** Is 13, 14, or 15 the solution of the equation $a + 12.3 = 27.3$?

$15 + 12.3 = 27.3$     then $a = 15$

**4)** Is 18, 19, or 20 the solution of the equation $3.6 + r = 21.6$?

$3.6 + 18 = 21.6$     then $r = 18$

**5)** Is 10, 11, or 12 the solution of the equation $b - 3.3 = 8.7$?

$12 - 3.3 = 8.7$     then $b = 12$

**6)** Is 13, 14, or 15 the solution of the equation $z - 6.4 = 7.6$?

$14 - 6.4 = 7.6$     then $z = 14$

**7)** Is 10, 11, or 12 the solution of the equation $e - 4.9 = 5.1$?

$10 - 4.9 = 5.1$     then $e = 10$

**8)** Is 16, 17, or 18 the solution of the equation $i - 8.2 = 7.8$?

$16 - 8.2 = 7.8$     then $i = 16$

**9)** Is 7, 8, or 9 the solution of the equation $4.25y = 34$?

$4.25(8) = 34$     then $y = 8$

## HW2 >>> Lesson 6-2

**1)** On Monday and Tuesday, Daniel's service group collected of 48.4 pounds of cans for recycling. The group collected 23 pounds of cans on Monday. Which addition equation could be used to find the number of pounds of cans $p$ Daniel's group collected on Tuesday?

- ○ $48.4 + 23 = p$
- ○ $23 + p = 48.4$
- ○ $48.4 + p = 23$
- ○ $48.4 + 23 = p + 23$

**2)** Isabella and Tiana have a fudge business. Last weekend, they made a total of 12.8 pounds of fudge. Isabella made 4.6 pounds of fudge. Which addition equation could be used to find the number of pounds of fudge $t$ Tiana made?

- ○ $4.6 + 12.8 = t$
- ○ $t + 12.8 = 4.6$
- ○ $4.6 + t = 12.8$
- ○ $4.6t = 12.8$

**3)** Jaylen and Destiny bought a video game that cost $65.75. Jaylen contributed $43 to the cost of the video game. Which addition equation could be used to find how much money $d$ Destiny contributed to the cost of the video game?

- ○ $43 + d = 65.75$
- ○ $43 = 65.75 + d$
- ○ $d = 65.75 + 43$
- ○ $d + 65.75 = 43$

**4)** Elena's parents agree to pay for part of a computer that costs $845.75. Elena's parents contribute $380 to the cost of the computer. Which addition equation could be used to find how much money $c$ Elena must contribute to the cost of the computer?

- ○ $c = 845.75 + 380$
- ○ $c + 845.75 = 380$
- ○ $380c = 845.75$
- ○ $380 + c = 845.75$

**HW2 >>> Lesson 6-2**

**10)** Solve $17 = 8 + b$.

$b =$ __9__

$$b = 17 - 8 = 9 \qquad \boxed{b = 9}$$

**11)** Solve $7 + c = 9$.

$c =$ __2__

$$c = 9 - 7 = 2 \qquad \boxed{c = 2}$$

**12)** Solve $9 + g = 23$.

$g =$ __14__

$$g = 23 - 9 = 14$$

**13)** Solve $2\frac{1}{2} + x = 7\frac{1}{4}$.

$x =$ __$4\frac{3}{4}$__

$$x = 7\frac{1}{4} - 2\frac{1}{2}^{\times 2} \qquad 7\frac{1}{4} - 2\frac{2}{4} = 6\frac{5}{4} - 2\frac{2}{4} = 4\frac{3}{4}$$

**14)** Solve $5\frac{1}{4} + z = 8\frac{1}{2}$.

$z =$ __$3\frac{1}{4}$__

$$z = 8\frac{1}{2} - 5\frac{1}{4} = 3\frac{1}{4}$$

**15)** Solve $6\frac{3}{4} = 1\frac{1}{4} + y$.

$y =$ __

$$y = 6\frac{3}{4} - 1\frac{1}{4} = 5\frac{1}{2}$$

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## HW2 >>> Lesson 6-2

**16)** Solve $11\frac{1}{4} = s + 3\frac{3}{4}$.

$s = 7\frac{1}{2}$

$$S = 11\frac{1}{4} - 3\frac{3}{4} = 10\frac{5}{4} - 3\frac{3}{4} = 7\frac{2}{4} = 7\frac{1}{2}$$

**17)** Solve $12.35 = 4.85 + n$.

$n = 11.5$

$$n = 12.35 - 4.85 = 7.5$$

**18)** Solve $14.65 = 3.15 + r$.

$r = 11.5$

$$r = 14.65 - 3.15 = 11.5$$

**19)**
Solve for $u$.

$$u + \frac{2}{3} = 4\frac{1}{2}$$

$$\Longrightarrow \quad u = 4\frac{1}{2} - \frac{2}{3} = \frac{9 \times 3}{2 \times 3} - \frac{2 \times 2}{3 \times 2} = \frac{27}{6} - \frac{4}{6}$$

$$= \frac{23}{6} = 3\frac{5}{6}$$

$u = \underline{3\frac{5}{6}}$

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## H.W 3 >>>> Lesson 6-3

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**1)** Brianna's gymnastics club collected 83 toys for a toy drive. This is 26 fewer than the number of toys collected by Latoya's dance team. Select a subtraction equation that could be used to find the number of toys collected by Latoya's dance team.

- ○ $26 - t = 83$
- ○ $83 - t = 26$
- ○ $26 - 83 = t$
- ○ $t - 26 = 83$

**2)** The Tigers soccer team scored 38 goals last season. This is 19 fewer than the number of goals scored by the Cubs soccer team. Select a subtraction equation that could be used to find the number of goals scored by the Cubs soccer team last season.

- ○ $g - 19 = 38$
- ○ $19 - g = 38$
- ○ $19 - 38 = g$
- ○ $38 - g = 19$

**3)** Ruby is 7 years old. She is the youngest of her siblings and 12 years younger than her oldest sibling. Select a subtraction equation that could be used to find the age of Ruby's oldest sibling.

- ○ $12 - a = 7$
- ○ $a = 12 - 7$
- ○ $a - 12 = 7$
- ○ $a = 7 - 12$

**4)** Water in an ice tray was cooled to 32 degrees Fahrenheit. This is 43 degrees less than its starting temperature. Select a subtraction equation that could be used to find the change in the temperature of the water in degrees.

- ○ $32 - 43 = w$
- ○ $43 - 32 = w$
- ○ $43 - w = 32$
- ○ $w - 43 = 32$

6

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**H.W 3 >>>> Lesson 6-3**

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**9)** Solve $17 = b - 8$.

$b = \underline{25}$

$b = 17 + 8$

**10)** Solve $8 = x - 5$.

$x = 13$

$x = 8 + 5 = 13$

**11)** Solve $i - 6 = 18$.

$i = \underline{24}$

$i = 18 + 6 = 24$

**12)** Solve $d - 3 = 11$.

$d = \underline{14}$

$d = 11 + 3 = 14$

**13)** Solve $y - 4\frac{1}{2} = 2\frac{1}{4}$.

$y = \underline{\ \ }$

$y = 2\frac{1}{4} + 4\frac{1}{2} = 6\frac{3}{4}$

**14)** Solve $z - 3\frac{2}{9} = 9\frac{1}{3}$.

$z = \underline{\ \ }$

$z = 9\frac{1 \times 3}{3 \times 3} + 3\frac{2}{9} = 9\frac{3}{9} + 3\frac{2}{9} = 12\frac{5}{9}$

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## H.W 3 >>>> Lesson 6-3

**15)** Solve $1\frac{1}{4} = r - 7\frac{3}{4}$.

$r = \underline{9}$

$$r = 1\frac{1}{4} + 7\frac{3}{4} = 9$$

**16)** Solve $13\frac{2}{3} = s - 1\frac{1}{9}$.

$s = \underline{\phantom{}}$

$$s = 13\frac{2\times3}{3\times3} + 1\frac{1}{9} = 13\frac{6}{9} + 1\frac{1}{9} = 14\frac{7}{9}$$

**17)** Solve $5.8 = f - 3.35$.

$f = \underline{\phantom{}}$

$$f = 5.8 + 3.35 = 9.15$$

**18)** Solve $4.35 = q - 6.25$.

$q = \underline{10.6}$

$$q = 4.35 + 6.25 = 10.6$$

**8**

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## H.W 4 >>> Lesson 6-4

**1)** Carlos and his friends go to a movie. The total cost of their tickets is $110, and each person pays $13.75. Which multiplication equation can be used to find how many people $m$ buy tickets to the movie?

- ○ $13.75m = 110m$
- ○ $m = 13.75(110)$
- ○ $110m = 13.75$
- ○ $13.75m = 110$

**2)** Danisha sells necklaces she makes at a craft fair. She earns a total of $152, and each necklace sells for $9.50. Which multiplication equation can be used to find how many necklaces $n$ Danisha sells?

- ○ $n = 152(9.5)$
- ○ $9.5n = 152$
- ○ $152n = 9.5$
- ○ $9.5n = 152n$

**3)** A toy tester finds that a new battery-operated car takes $\frac{1}{3}$ hour to travel a mile. The toy car travels for $2\frac{3}{5}$ hours before running out of battery power. Which multiplication equation can be used to find the number of miles $c$ the toy car travels before running out of battery power?

- ○ $2\frac{3}{5}c$
- ○ $c = \frac{1}{3}\left(2\frac{3}{5}\right)$
- ○ $\frac{1}{3}c = 2\frac{3}{5}$
- ○ $2\frac{3}{5}\left(\frac{1}{3}\right) = c$

**4)** It takes $\frac{2}{5}$ hour to fill a gallon container with liquid soap from a dispenser in a factory. Yesterday, the dispenser ran for $3\frac{1}{3}$ hours. Which multiplication equation can be used to find the number of gallons of soap $w$ that were dispensed?

- ○ $3\frac{1}{3}w = \frac{2}{5}$
- ○ $\frac{2}{5}w = 3\frac{1}{3}$
- ○ $w = \frac{2}{5}\left(3\frac{1}{3}\right)$
- ○ $\frac{2}{5}w = 3\frac{1}{3}w$

## H.W 4 >>> Lesson 6-4

**10)** Solve $24 = 6y$.

$y =$ **4**

$$y = \frac{24}{6} = 4$$

**11)** Solve $8f = 40$.

$f =$ **5**

$$f = \frac{40}{8} = 5$$

**12)** Solve $3s = 39$.

$s =$ **13**

$$S = \frac{39}{3} = 13$$

**13)** Solve $\frac{3}{4}z = \frac{4}{7}$.

$z =$ **$\frac{16}{21}$**

$$\left(\frac{4}{3}\right)\frac{3}{4}Z = \frac{4}{7}\left(\frac{4}{3}\right) \Rightarrow Z = \frac{16}{21}$$

**14)** Solve $\frac{4}{5}a = \frac{2}{3}$.

$a =$ __

$$\left(\frac{5}{4}\right)\frac{4}{5}a = \frac{2}{3}\left(\frac{5}{4}\right) \Rightarrow a = \frac{10}{12} = \frac{5}{6}$$

**15)** Solve $\frac{1}{8} = \frac{2}{3}i$.

$i =$ __

$$\left(\frac{3}{2}\right)\frac{1}{8} = \frac{2}{3}i\left(\frac{3}{2}\right) \Rightarrow i = \frac{3}{16}$$

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## H.W 4 >>> Lesson 6-4

**16)** Solve $\frac{3}{7} = \frac{1}{2}m$.

$m = \underline{\frac{6}{7}}$

$$(2)\frac{3}{7} = \frac{1}{2}m \ (2) \implies m = \frac{6}{7}$$

**17)** Solve $36.33 = 4.2v$.

$v = \underline{8.65}$

$$v = \frac{36.33}{4.2} = 8.65$$

**18)** Solve $6.3q = 47.25$.

$q = \underline{7.5}$

$$q = \frac{47.25}{6.3} = 7.5$$

**19)**

Solve for $n$.

$\frac{5}{6}n = 30$

$$\implies \left(\frac{6}{5}\right)\frac{5}{6}n = \overset{6}{\cancel{30}}\left(\frac{6}{5}\right)$$

$$n = 36$$

$n = \underline{36}$

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## H.W 5 >>> Lesson 6-5

**1)** Enrique uses 6.94 ounces of dough to make a pizza. He makes 27 pizzas on Tuesday. Which division equation could be used to find the total number of ounces of dough $p$ Enrique uses on Tuesday?

- ○ $\frac{6.94}{p} = 27$
- ○ $p = \frac{27}{6.94}$
- ○ $p \div 6.94 = 27$
- ○ $27 \div p = 6.94$

**2)** Sarah walks the same number of miles each day on her treadmill. She walks 3.5 miles each day for one week. Which division equation could be used to find the total number of miles $w$ Sarah walks during that week?

- ○ $3.5 \div w = 7$
- ○ $\frac{7}{3.5} = w$
- ○ $w = 3.5 \div 7$
- ○ $w \div 3.5 = 7$

**3)** A dog groomer has 295.2 ounces of dog shampoo. The groomer uses 2.4 ounces of shampoo to wash each dog. Which division equation could be used to find the total number of dogs $d$ the groomer can wash?

- ○ $d \div 295.2 = 2.4$
- ○ $\frac{295.2}{d} = 2.4$
- ○ $\frac{2.4}{d} = 2.4$
- ○ $\frac{d}{2.4} = 295.2$

**4)** Sam's skateboard company has 457.6 feet of wood. Sam uses 3.2 feet of wood to make each skateboard. Which division equation could be used to find the total number of skateboards $s$ Sam can make?

- ○ $\frac{s}{457.6} = 3.2$
- ○ $s \div 3.2 = 457.6$
- ○ $\frac{457.6}{s} = 3.2$
- ○ $3.2 \div s = 457.6$

## H.W 5 >>> Lesson 6-5

**9)** Solve $13 = \frac{v}{3}$.

$v = \underline{39}$

$$v = 3(13) = 39$$

**10)** Solve $9 = \frac{u}{4}$.

$u = \underline{36}$

$$u = 9(4) = 36$$

**11)** Solve $\frac{m}{8} = 8$.

$m = \underline{64}$

$$m = 8(8) = 64$$

**12)** Solve $\frac{w}{5} = 7$.

$w = \underline{35}$

$$w = 5(7)$$

**13)** Solve $\frac{c}{3} = \frac{2}{5}$.

$c = \underline{1\frac{1}{5}}$

$$c = \frac{2}{5}(3) = \frac{6}{5} = 1\frac{1}{5}$$

**14)** Solve $\frac{q}{6} = \frac{2}{5}$.

$q = \underline{\ \ }$

$$q = \frac{2}{5}(6) = \frac{12}{5} = 2\frac{2}{5}$$

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## H.W 5 >>> Lesson 6-5

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**15)** Solve $\frac{3}{4} = \frac{t}{6}$.

$t = \underline{4\frac{1}{2}}$

$$t = \frac{3}{4}(6) = \frac{18}{4} = \frac{9}{2} = 4\frac{1}{2}$$

**16)** Solve $\frac{1}{3} = \frac{t}{9}$.

$t = \underline{3}$

$$t = \frac{1}{3}(9) = 3$$

**17)** Solve $6.53 = \frac{v}{3.5}$.

$v = \underline{22.855}$

$$v = 6.53(3.5) = 22.855$$

**18)** Solve $8.45 = \frac{v}{6.32}$.

$v = \underline{53.404}$

$$v = 8.45(6.32) = 53.404$$

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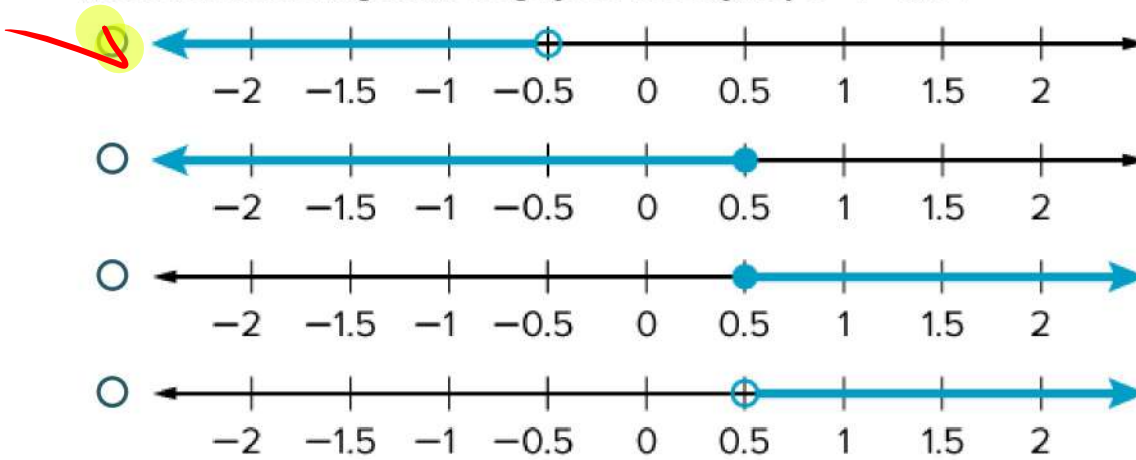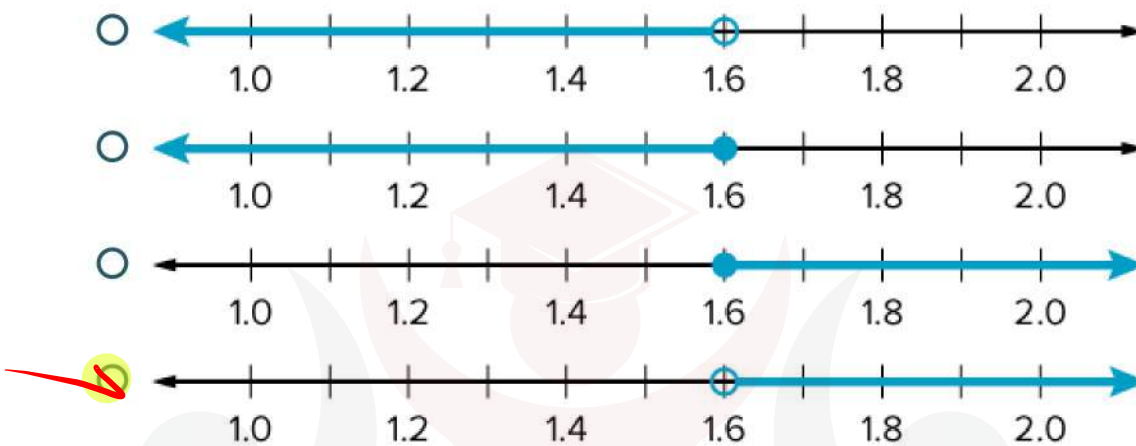
## H.W 6>>> Lesson 6-6

**1)** A pizza company has a rule that its pizza must be delivered in fewer than 24 minutes or it is considered late. Which inequality represents the time $t$ in minutes in which the pizza must be delivered before it is late?

- ⭕ $t < 24$
- ⭕ $t > 24$
- ⭕ $t \leq 24$
- ⭕ $t \geq 24$

**2)** A customer gets free shipping when the cost of a purchase at an online store is more than \$35. Which inequality represents the amounts in dollars $d$ a customer must spend to get free shipping?

- ⭕ $d < 35$
- ⭕ $d > 35$
- ⭕ $d \leq 35$
- ⭕ $d \geq 35$

**3)** To ride a roller coaster, the rider must be at least 48 inches tall. Which inequality represents the height in inches $i$ that makes a rider tall enough to ride the roller coaster?

- ⭕ $i < 48$
- ⭕ $i > 48$
- ⭕ $i \leq 48$
- ⭕ $i \geq 48$

**4)** No more than 36 children can safely ride on the bus to go on the field trip. Which inequality represents the number of children $c$ who can safely ride on the bus?

- ⭕ $c > 36$
- ⭕ $c \geq 36$
- ⭕ $c \leq 36$
- ⭕ $c < 36$

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## H.W 6>>> Lesson 6-6

**5)** Which of the following shows the graph of the inequality $u < -0.5$?

○ (number line, open circle at −0.5, shaded left) −2  −1.5  −1  −0.5  0  0.5  1  1.5  2

○ (number line, closed circle at 0.5, shaded left) −2  −1.5  −1  −0.5  0  0.5  1  1.5  2

○ (number line, closed circle at 0.5, shaded right) −2  −1.5  −1  −0.5  0  0.5  1  1.5  2

○ (number line, open circle at 0.5, shaded right) −2  −1.5  −1  −0.5  0  0.5  1  1.5  2

**6)** Which of the following shows the graph of the inequality $m > 1.6$?

○ (number line, open circle at 1.6, shaded left) 1.0  1.2  1.4  1.6  1.8  2.0

○ (number line, closed circle at 1.6, shaded left) 1.0  1.2  1.4  1.6  1.8  2.0

○ (number line, closed circle at 1.6, shaded right) 1.0  1.2  1.4  1.6  1.8  2.0

○ (number line, open circle at 1.6, shaded right) 1.0  1.2  1.4  1.6  1.8  2.0

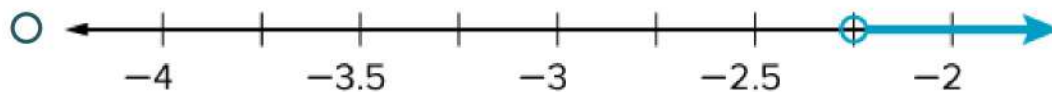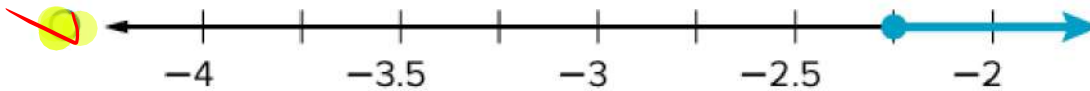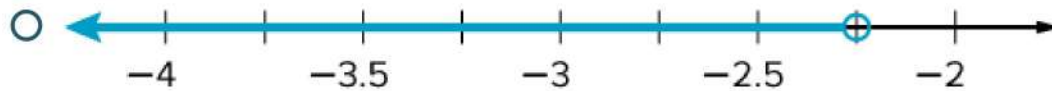**7)** Which of the following shows the graph of the inequality $c \leq -3.75$?

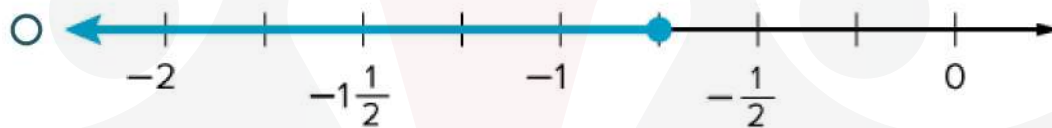○ (number line, open circle at −3.75, shaded left) −4  −3.5  −3  −2.5  −2

○ (number line, closed circle at −3.75, shaded left) −4  −3.5  −3  −2.5  −2

○ (number line, open circle at −3.75, shaded right) −4  −3.5  −3  −2.5  −2

○ (number line, closed circle at −3.75, shaded right) −4  −3.5  −3  −2.5  −2

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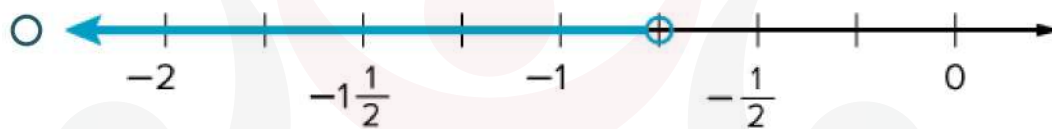
## H.W 6>>> Lesson 6-6

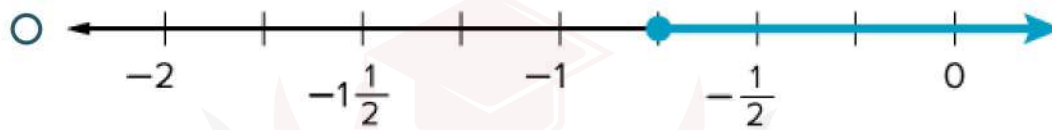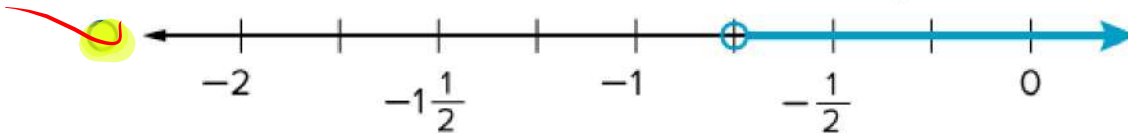**8)** Which of the following shows the graph of the inequality $r \geq -2.25$?

○ 
      −4    −3.5    −3    −2.5    −2

○
      −4    −3.5    −3    −2.5    −2

● (selected)
      −4    −3.5    −3    −2.5    −2

○
      −4    −3.5    −3    −2.5    −2

**9)** Which of the following shows the graph of the inequality $i > -\frac{3}{4}$?

● (selected)
      −2    $-1\frac{1}{2}$    −1    $-\frac{1}{2}$    0

○
      −2    $-1\frac{1}{2}$    −1    $-\frac{1}{2}$    0

○
      −2    $-1\frac{1}{2}$    −1    $-\frac{1}{2}$    0

○
      −2    $-1\frac{1}{2}$    −1    $-\frac{1}{2}$    0

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## H.W 6>>> Lesson 6-6

**10)** Which of the following shows the graph of the inequality $u \geq \frac{2}{5}$?



**11)** Identify which of the following are solutions of the inequality $z - 3 < 9$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
| 11 | 12 |
|  | 13 |

| Answer Bank |
|-------------|
| 11   12   13 |

*(Handwritten work:)*
11) $z - 3 < 9$
$8 < 9$ ✓
12) $-3 < 9$
$9 < 9$ ✗

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## H.W 6>>> Lesson 6-6

**12)** Identify which of the following are solutions of the inequality $h + 6 \geq 23$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
| 17 | 15<br>16 |

$15 + 6 \geq 23$
$21 \geq 23$ ✗

| Answer Bank |
|-------------|
| 15   16   17 |

**13)** Identify which of the following are solutions of the inequality $v - 5 \leq 17$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
| 21<br>22 | 23 |

$21 - 5 \leq 17$
$16 \leq 17$ ✓

| Answer Bank |
|-------------|
| 21   22   23 |

**14)** Identify which of the following are solutions of the inequality $3u \leq 1$ by dragging each value to the appropriate bin.

| solution | not a solution |
|----------|----------------|
| $\frac{1}{4}$<br>$\frac{1}{3}$ | $\frac{1}{2}$ |

$3\left(\frac{1}{4}\right) \leq 1$
$\frac{3}{4} \leq 1$ ✓

| Answer Bank |
|-------------|
| $\frac{1}{4}$   $\frac{1}{3}$   $\frac{1}{2}$ |

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