# Subpart 1

You **may not** use a calculator in Subpart 1 of this test booklet.

You may use this test booklet for scratch paper or to make notes, but you must mark your answers on your answer document.

1. The mass of a pencil is about 5 grams. Melvin has 13 pencils. What is total mass of Melvin's pencils?

   a. 18 grams
   b. 8 grams
   c. 65 grams
   d. 55 grams

2. Which of the following is not a quadrilateral?

   a.

   b.

   c.

   d.
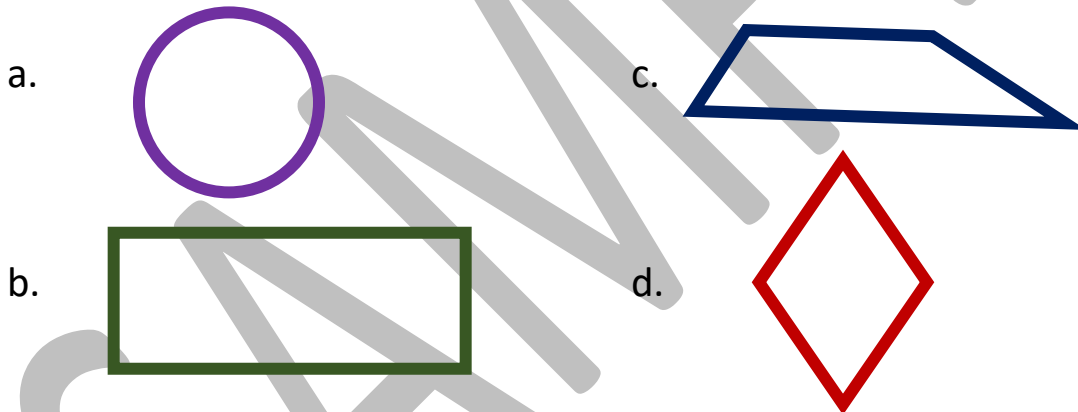
3. Which statement is **true**?
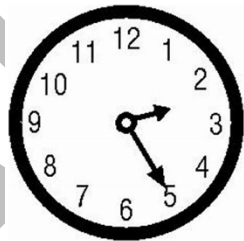
a. $\frac{3}{6} > \frac{3}{4}$

b. $\frac{2}{6} < \frac{2}{4}$

c. $\frac{1}{8} = \frac{1}{4}$

d. $\frac{2}{8} > \frac{2}{3}$

4. The clock shows the time Ms. Phillips takes her class to recess.

They spend 15 minutes in recess. What time does recess end for Ms. Phillips' class?

a. 2:25
b. 3:25
c. 3:40
d. 2:40

5. Veronica had 19 apples in her basket. Jay gave her 9 more apples. Nikki took 11 of the apples. How many apples did Veronica have left?

   a. 8
   b. 39
   c. 1
   d. 17

6. There were 100 students going on a field trip. 4 of the students got sick and could no longer go. How many 8-passenger vans will be needed to take the remaining students on the field trip?
   a. 25
   b. 12
   c. 32
   d. 13

Subpart 2

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7. Which **two** expressions are equal to the expression 8 x 5?
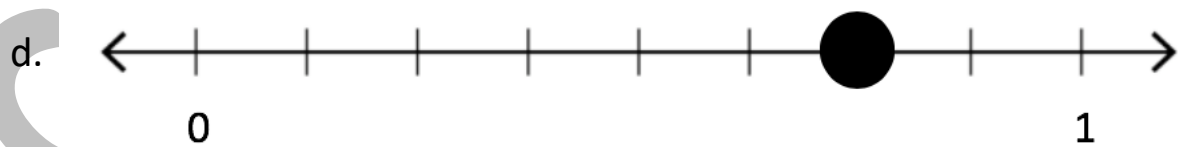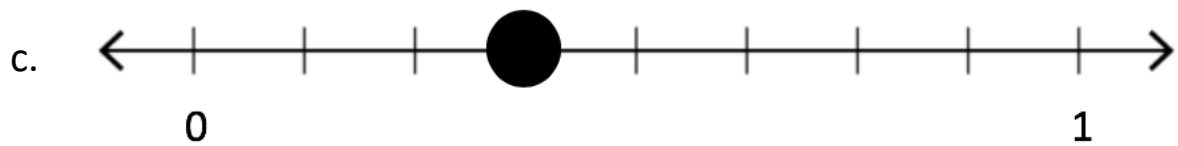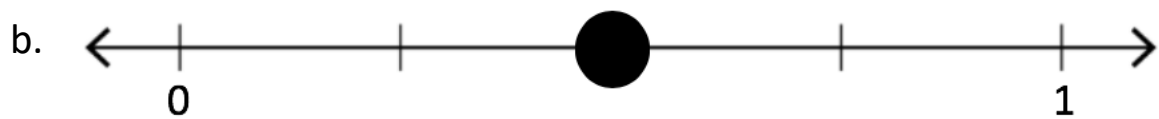
    a. 2 x (8 + 3)

    b. 5 x (3 + 8)

    c. (5 x 4) + (5 x 4)

    d. (8 x 3) + (8 x 2)

    e. (8 x 5) + (3 x 2)

8. Which number line shows a fraction that is equivalent to the fraction shown below?

a.

b.

c.

d.
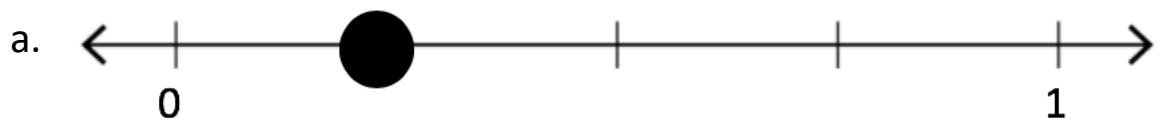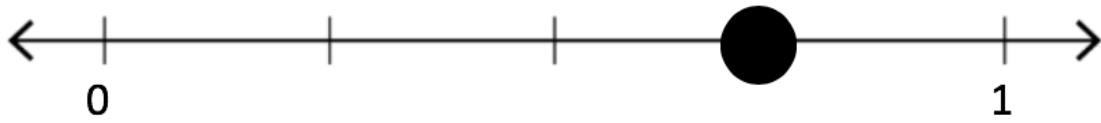
9. The perimeter of a rectangle is 30 meters. The length of that rectangle is 9 meters. What is the length of the rectangle?

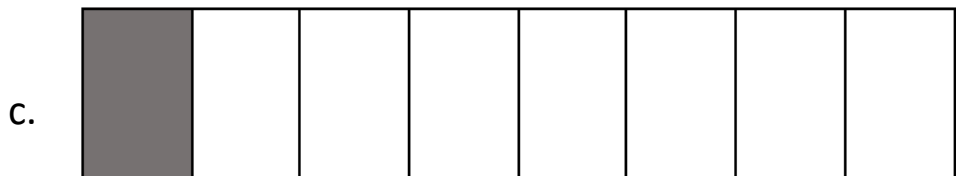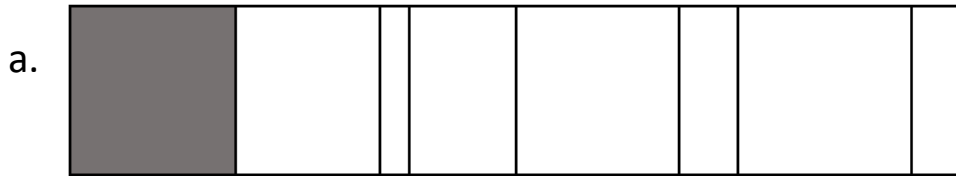   a. 270 meters
   b. 6 meters
   c. 21 meters
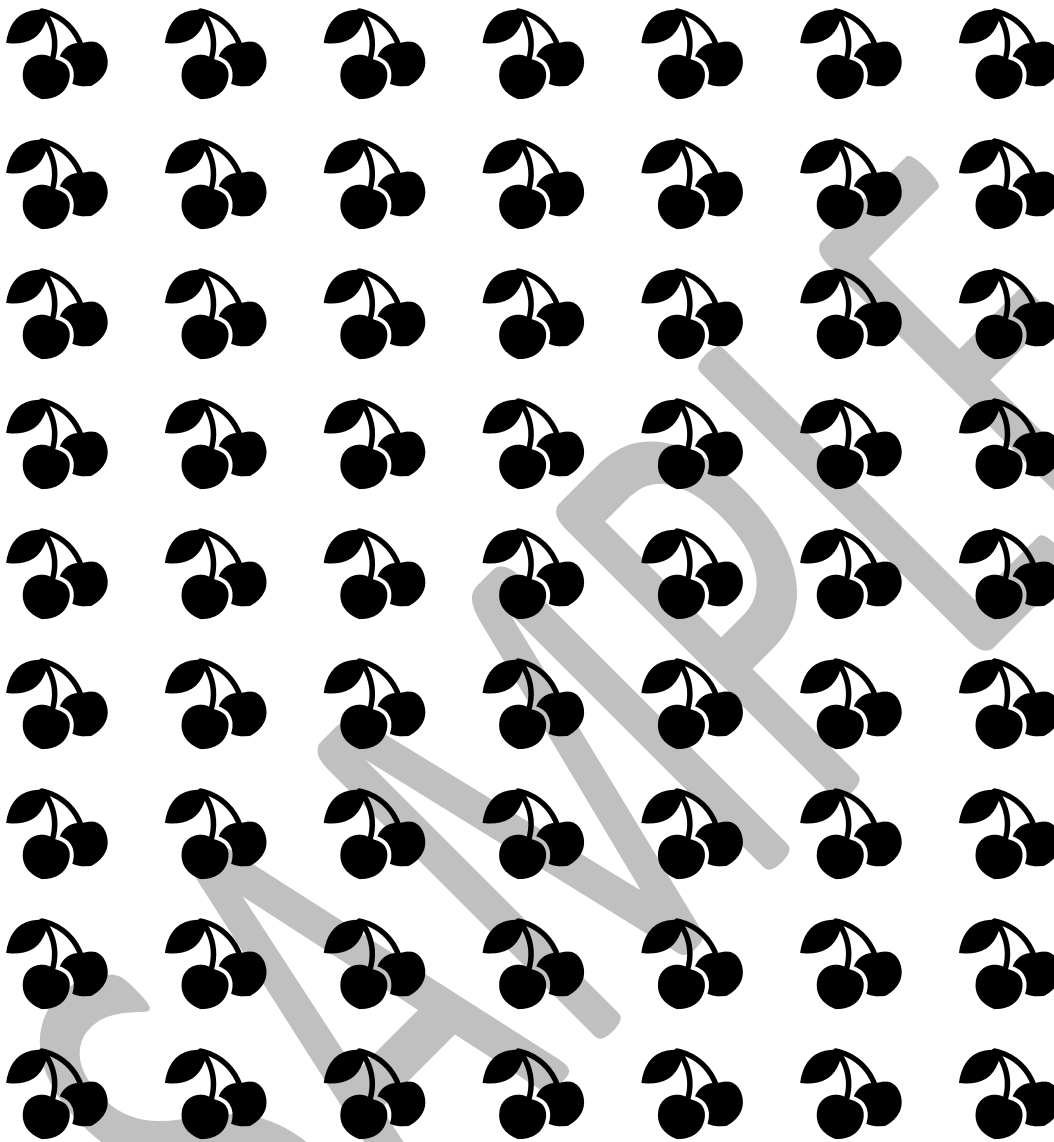   d. 39 meters

Subpart 3

You **may** use a calculator in Subpart 3 of this test booklet.

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10.   Which figure shows $\frac{1}{8}$ shaded?

a.

b.

c.

d.

11.　　Which equation matches the model?

a. 63 ÷ 7 = 7
b. 49 ÷ 9 = 7
c. 49 ÷ 7 = 7
d. 63 ÷ 9 = 7

12.   Use the unit square to find the area of the rectangle below.

= 1 square unit

Use the area formula to find the area of the rectangle below.

3 units

6 units

Which statement is true about the area of the rectangles?

a. The area of the top rectangle is greater than the area of the bottom rectangle.
b. The area of the bottom rectangle is greater than the area of the top rectangle.
c. The area of the triangles are the same.