Math 3 Homework 22

Independent work

1 Solve equations:

$36 \div X = 4$ $Y \div 4 = 32$ $56 \div Z = 8$

2 Solve equations:

$7 \times X = 21$ $Y \times 3 = 24$ $5 \times Z = 45$

3 Use +, –, ÷ and × with parenthesis to make number sentences that give the target number:

a) 2, 5, 6 Target 40 _____

b) 3, 5, 6 Target 21 _____

c) 4, 6, 10 Target 1 _____

4 Long division:

a) $384 \div 8 =$ b) $384 \div 6 =$

5

Double and half.

a) What is half of 20? _____

b) What is double of 6? _____

c) What is half of 2? _____

d) What is half of 1? _____

e) what is double of 17? _____

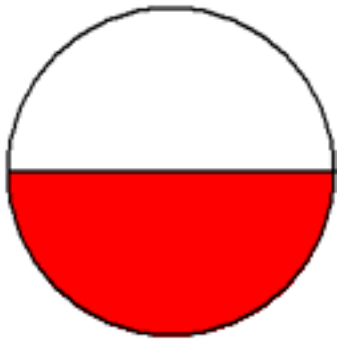
6

One-digit-one-line Long Multiplication. Remember about Place Value!

a) 43 × 22 = b) 432 × 222 = c) 4321 × 2222 =

7.

What fraction of each circle is shaded? Write the fractions vertically as two numbers and a line between them.



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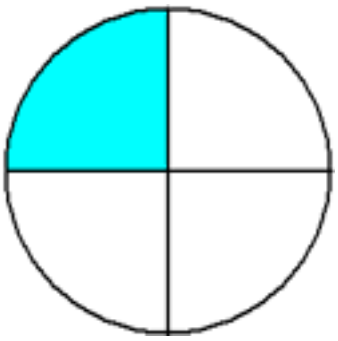

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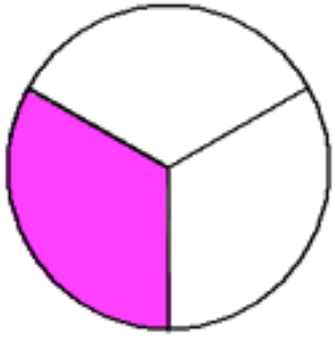

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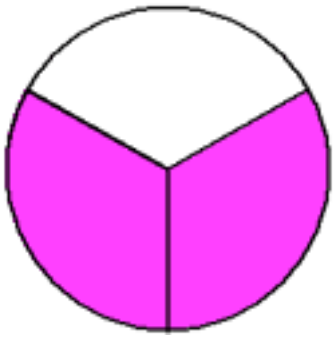

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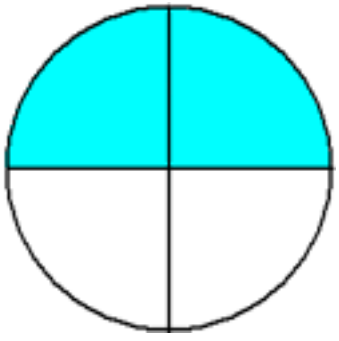

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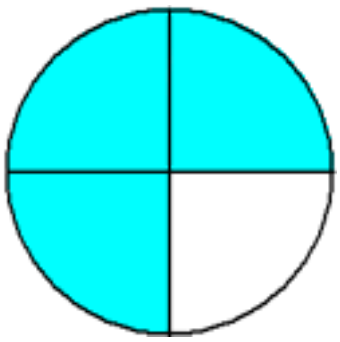

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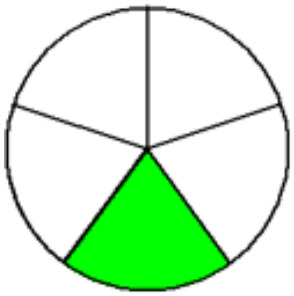
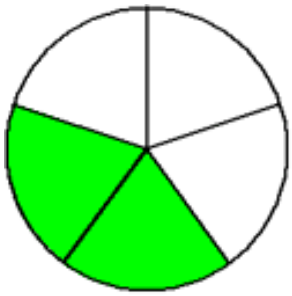
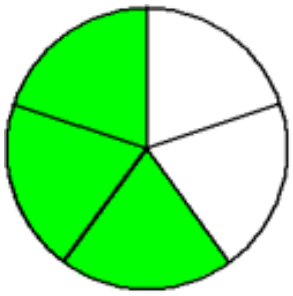
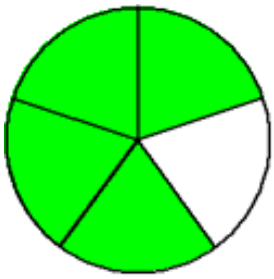





_____ _____ _____ _____

8. Write down a number sentence:

a) *n* is multiplied by six: _____

b) one hundred twenty-two is added to a difference of *a and b* _____

c) the product of *b and c* is subtracted from 10 _____

d) subtract *d from* a sum of *x and y* _____

9. Jonathan's dad has 6 pieces of ropes which have length of 7m, 9m, 42m, 58m, 126m and 133m. He only gives Jonathan 2 ropes at a time. Which 2 ropes does Jonathan need to get the total length of?

a) 135m _____

b) 175m _____

c) 184m _____

d) 49m _____

e) 100m _____

f) 168m _____

10 If there are 60 minutes in one hour, what part of the hour will be (simplify your fractions):

a) 30 min ____

b) 15 min ____

c) 20 min ____

d) 40 min ____

e) 12 min ____

f) 24 min ____

11 Compare, using <, > or =. Think carefully about an order of operations:

$8 \times 64 - 40 \ldots 8 \times (64 - 40)$

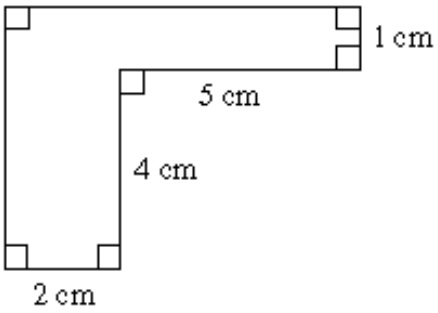
$100 \div 5 + 5 \ldots 100 \div (5 + 5)$

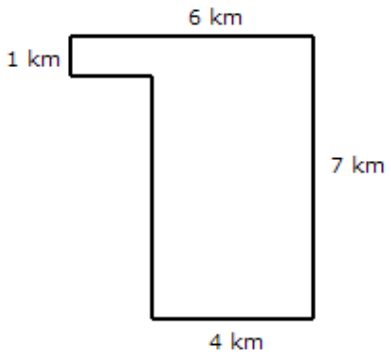
$20 + 50 \times 8 \ldots (20 + 50) \times 8$

$12 \times 43 + 51 \times 5 \ldots 5 \times 51 + 43 \times 12$

12 Find an area and perimeter of composite shapes. Don't forget to write down units for both A and P.

a) A = _____ P = _____ b) A = _____ P = _____





13 Insert parentheses to make the equations correct:

$32 - 2 \times 6 + 3 = 183$ $32 - 2 \times 6 + 3 = 17$

$32 - 2 \times 6 + 3 = 23$ $32 - 2 \times 6 + 3 = 270$

14 a) Put all weights in order from the heaviest to the lightest:

2 kg, 1kg 900g, 250g, 25kg, 2,500g, 2kg 50g

_____

b) Put all lengths in order from the smallest to largest:

3m 3dm, 30dm, 333cm, 3dm 3cm, 303cm

_____

15 Use a compass and a ruler to plot:

a) a circle with a center in a point **O** and the radius = 4cm - Circ (**O**, 4 cm)

b) Circ (**O**, 5 cm)

c) Circ (**W**, 4 cm)

d) Circ (**R**, 3 cm

W

R

O

Use a straight edge to plot straight lines WR, OR, and WO. Make sure these lines continue beyond the points O, R, and W.