Math 3 Homework 7

1

Write a correct expression for each problem and solve it:

a) One gift basket contains 5 pieces of fruit. How many pieces of fruit would be in 4 baskets?

_____

b) There are 6 pencils in the box. How many pencils would be in 5 boxes? _____

c) One pumpkin weighs as much as 2 watermelons. How many watermelons would balance 6 pumpkins? _____

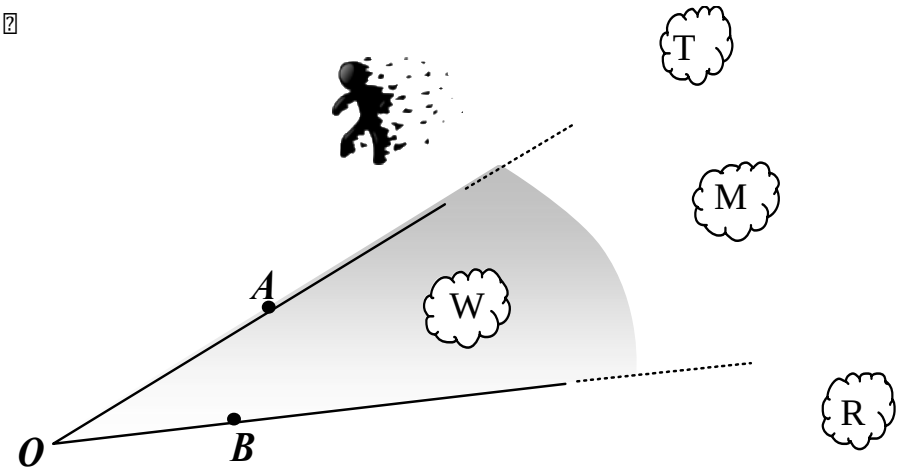
2

This year on the next day after my birthday I say: "the day after tomorrow is Wednesday", then my birthday is on (circle the correct answer):

A. Thursday B. Monday C. Tuesday D. Wednesday E. Sunday

3

Use a ruler to draw a ray starting from a point O – the vertex of angle AOB. A ray should go through clouds W and M.



4

Compare, using <, > or =:

245 – a ___ 205 – a

m – 73 ___ m – 37

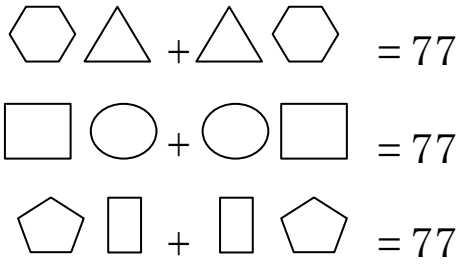
c + d ___ d + c

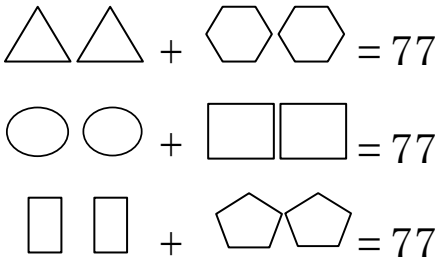
b – 207 ___ b – 72

210 + n ___ n + 211

40 – k ___ 140 – k

5 Replace shapes with numbers to get an equality in each case.





1. *Example: 34 +43 = 77*
2. _____
3. _____
4. _____
5. _____
6. _____

6 Find the sum using the most convenient method.

5 + 15 + 25 + 35 + 45+ 55 + 65+ 75 + 85 + 95 = _____

7 Write down expressions:

a) Sam had *A* pencils, Nick had *B* pencils and Emily had *C* pencils. How many pencils did all three children have together? _____

b) There are *A* fishes in the first aquarium and 5 more fishes in the second aquarium. How many fishes are in the 2nd aquarium? _____
How many fishes are there altogether in the both aquariums? _____

8 Express in cm:

24dm = ____ cm
66dm = ____ cm
30dm = _____ cm
2dm 7cm = _____ cm
8dm 5cm = _____ cm
80dm 6cm = _____ cm
2m 3dm 4cm = _____ cm
4m 6dm 3cm = _____ cm
2m 7cm = _____ cm

9 Evaluate an expression $(110-2x)$:

If $x = 11$: _____

If $x = 20$: _____

If $x = 50$: _____

10 Calculate:

$$\begin{array}{r} 614 \\ +\ 329 \\ \hline \end{array} \qquad \begin{array}{r} 407 \\ +\ 309 \\ \hline \end{array} \qquad \begin{array}{r} {\scriptstyle 9\ 10} \\ 502 \\ -\ 235 \\ \hline \end{array} \qquad \begin{array}{r} {\scriptstyle 9\ 10} \\ 700 \\ -\ 521 \\ \hline \end{array}$$

11 Insert the missing digits and check your answers:

$$\begin{array}{r} 3\square 5 \\ +\ \square 1\square \\ \hline 739 \end{array} \qquad \begin{array}{r} \square 2\square \\ +\ 5\square 3 \\ \hline 741 \end{array} \qquad \begin{array}{r} \square\square 6 \\ -\ 34\square \\ \hline 542 \end{array} \qquad \begin{array}{r} 62\square \\ -\ \square\square 3 \\ \hline 542 \end{array}$$

12 Collect the like items to simplify:

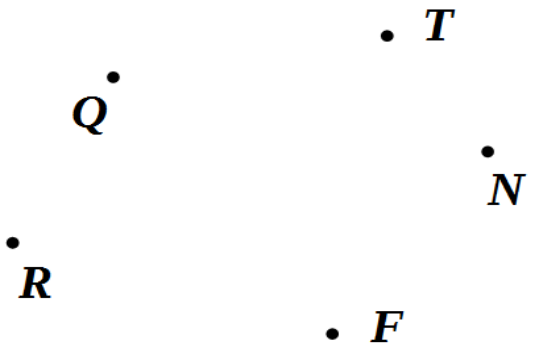
12 + 6 – b – a + 32 + 2a + 2b – a – b = _____

25 + a + 5a – 10 =_____

3 + 237 – a + 4 – a + 7a = _____

13 Use a ruler.

- Plot straight line (***NQ)***.
- Plot ray [***RT)***.
- Label the intersection **M**.
- Plot segment [**MF**].

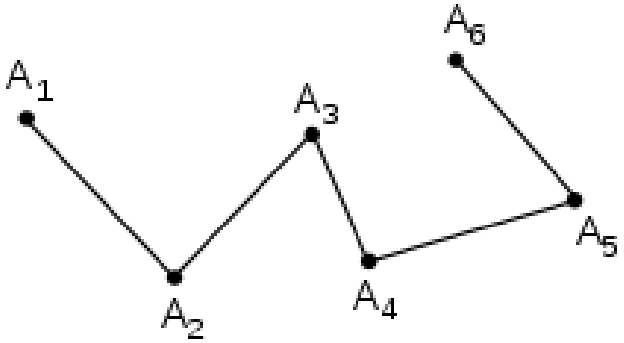


14 How many segments does polygonal line below have? _____

How many vertices (points where segments are **connecting to each other** or **end**)? _____

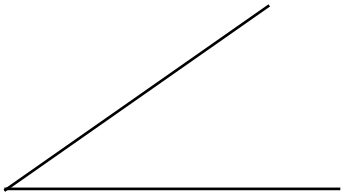
Is this chain closed or open? _____

Use three line segments to make it closed.

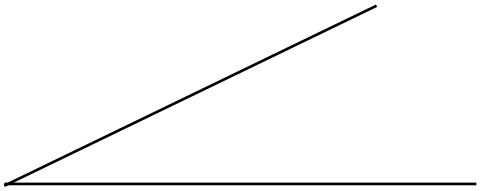


15 Draw a second angle for each case so that the intersection of the two angles would be:

a) ...a quadrilateral;



b). ...a triangle;



16

Number the order of operations and find the values of each expression (use the graph paper below to calculate!)

a) 225 – (35 + 43) =

b) 355 – (41 + 29) + 321 =

c) (239+ 131) – (263 – 28) =

d) (235– 123) + (241 +28) =

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