

Metric System Test 1

1. Compare:

750 m + 240m ___ 1000 m
850m + 250m ___ 1000 m

890m+ 120m ___ 1km
790m + 250m ___ 1 km

1km – 520 m ___ 490m
1km – 390m ___ 710 m

2. Convert:

1m= 100 cm 300 cm = _____ m 1m 84 cm = _____ cm 112 cm = ___ m ___ cm
5m = _____ cm 700 cm = _____ m 3m 90 cm= _____ cm 205 cm = ___ m ___ cm
9m= _____ cm 1000 cm = _____ m 4m 60 cm = _____ cm 68 cm = ___ m ___ cm

3. How many millimeters:

4 dm 5 cm 6 mm = _____
2 dm 12 cm 13 mm = _____
8 dm 9 cm 3 mm = _____
4m 5dm 3cm= _____
5m 2dm 3mm= _____
7m 4cm 1mm= _____ mm
8m 32mm= _____ mm

4. Convert:

1m = 10 dm 6m 3dm = _____ dm 40 dm = _____ m
3m = _____ dm 7m 9dm = _____ dm 90 dm = _____ m
8m = _____ dm 10m 2dm = _____ dm 110 dm = _____ m

5. Fill in the blanks

1m = _____ cm 4m = _____ cm 5m = _____ cm
2m = _____ cm 3m = _____ cm 6m = _____ cm

6. Complete the table

	m	dm	cm
8m			
5dm			
20m			

	mm	m	km
km			
m			

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7. Complete the math sentence:

$$3 \text{ dm} + \underline{\quad} = 1 \text{ m}$$

$$7 \text{ dm} + \underline{\quad} = 1 \text{ m}$$

$$7 \text{ dm} + \underline{\quad} = 1 \text{ m}$$

$$20 \text{ cm} + \underline{\quad} = 1 \text{ m}$$

$$17 \text{ cm} + \underline{\quad} = 1 \text{ m}$$

$$24 \text{ cm} + \underline{\quad} = 1 \text{ m}$$

$$55 \text{ cm} + \underline{\quad} = 1 \text{ m}$$

$$1 \text{ m} - 23 \text{ cm} = \underline{\quad} \text{ cm}$$

$$1 \text{ m} - 89 \text{ cm} = \underline{\quad} \text{ cm}$$

$$1 \text{ m} - 63 \text{ cm} = \underline{\quad} \text{ cm}$$

$$1 \text{ m} - 4 \text{ dm} = \underline{\quad} \text{ dm}$$

$$1 \text{ m} - 7 \text{ dm} = \underline{\quad} \text{ dm}$$

$$1 \text{ m} - 9 \text{ dm} = \underline{\quad} \text{ dm}$$

$$1 \text{ m} - 6 \text{ dm} = \underline{\quad} \text{ dm}$$

8. John is 1m 28cm tall. Mary is 8 cm shorter than Peter. Alex is 7cm taller than John, and Peter is 13 cm taller than John. How tall is each student? Convert their heights into m and cm, and then convert each student's height into mm.

9. Fill in the blanks

$$\frac{1}{4} \text{ m} = \underline{\quad} \text{ cm}$$

$$\frac{1}{4} \text{ kg} = \underline{\quad} \text{ cm}$$

$$\frac{1}{5} \text{ dm} = \underline{\quad} \text{ mm}$$

$$\frac{1}{5} \text{ t} = \underline{\quad} \text{ kg}$$

$$\frac{1}{2} \text{ km} = \underline{\quad} \text{ m}$$

$$\frac{1}{3} \text{ min} = \underline{\quad} \text{ m}$$

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10. What is the area and perimeter of a rectangle if $a = 8\text{cm}$ and $b = 60\text{ mm}$? Express A and P into cm, and then into mm.

11. Perimeter of a square is $5,640\text{mm}$. How long is side a expressed in cm?

12. Area of a rectangular land is $25,088\text{m}^2$. One side is 98m . How long is the second side of the land?

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13. Decide if the left side is $>$, $<$ or $=$ to the right side:

7m _____ 700 cm
5m 3dm _____ 530 dm
3dm _____ 300 cm

8 kg _____ 80 mg
25 L _____ 250 mL
3kg _____ 300 g

14. Express in meters:

500 dm = _____ m
1,300 cm = _____ m

5,000mm = _____ m
32,000mm = _____ m

75,400 cm = _____ m
178,000 mm = _____ m

15. Side A of a rectangle is three times longer than side B of the same rectangle. What is the area of the rectangle if the perimeter is 32 cm?

16. The wall of a house is in the shape of a rectangle. One side (length) of the wall is 4m and 25dm. How long is the second side (height) of the wall, if the area is 325000cm^2 ?

17. Express in cm how tall is
Your best friend:

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Your parent (s):

Your brother:

Your sister:

18. Express in kg how heavy is

Your best friend:

Your parent (s):

Your brother:

Your sister:

19. When we buy milk in a grocery store, do we use L or kL?

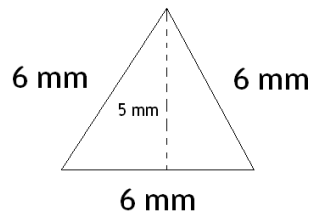
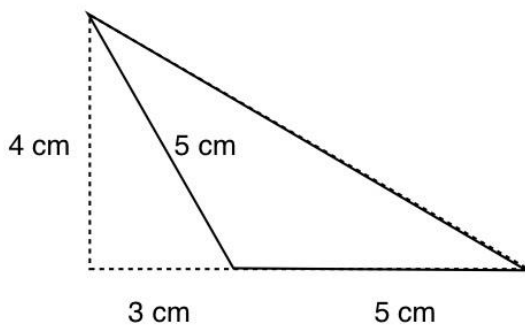
20. When we buy gas at a gas station, do we pay per L or kL?

21. When we buy chips at a grocery store, do we buy bags in g or mg?

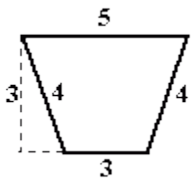
22. When we buy fish at a grocery store, do we use kg or kL?

23. Find the area and perimeter.

a)

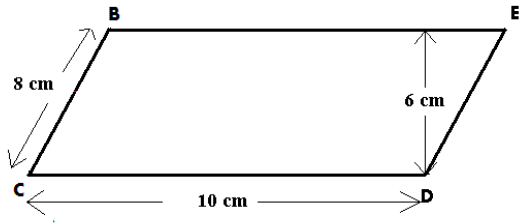


24. Find the area and perimeter. Use dm.



1. Find the area and perimeter

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What is the area of parallelogram BCDE?