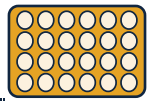
Word problem practice: with pictures

Free Extra Maths Class · Grade 7

Name: _____

Remember: Look at the picture and read the story twice: what is asked? Write a number sentence; give the unit.
Why? Picture and number sentence tell the same story and show the operation; the unit tests your answer.

1. A farmer packs 1 248 eggs in trays like this one. How many trays does he fill?



2. A bus leaves in the morning at this time. The trip takes 2 h 35 min. When does it arrive?



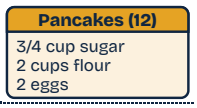
3. Sipho buys 3 of these books and pays with R150. How much change does he get?



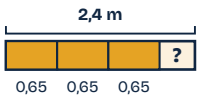
4. Mom uses 650 ml of the milk in the jug. How many ml of milk are left?



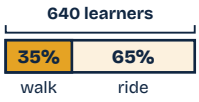
5. Thandi makes 36 pancakes with this recipe for 12. How many cups of sugar does she need?



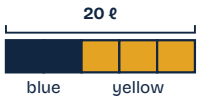
6. Dad saws 3 pieces of 0,65 m off this plank. How long is the piece that is left?



7. The bar shows how 640 learners get to school. How many learners walk?



8. Lerato mixes 20 ℓ of green paint with blue : yellow = 2 : 3. How many litres of yellow?



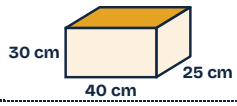
9. Grandpa drives from K through D and S to B in 2 hours. What is his average speed?



10. Instant lawn costs R45 per m². What does it cost to cover this whole lawn?



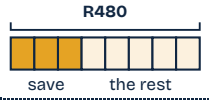
11. How many litres of water does this trough hold when it is full? (1 000 cm³ = 1 ℓ)



12. The pipe pours 15 ℓ of water per minute into the tank. After how many minutes is it full?



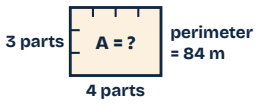
13. Ayanda saves $\frac{3}{8}$ of R480 and spends $\frac{1}{4}$ of the rest on a book. How much money is left?



14. Look at the bicycle's prices. The June discount is on the new price. What is the price in June?



15. A children's soccer field is a rectangle. The perimeter is 84 m. The length and breadth are in the ratio 4 : 3. Calculate the area of the field.



I got _____ out of 15 ☆ ☆ ☆

Memorandum

Word problem practice: with pictures

Other correct methods are also right.

1. 52 trays
Asked: how many trays?
4 × 6 = 24 eggs per tray
1 248 ÷ 24 = 52

2. 09:55
Asked: arrival time
07:20 + 2 h = 09:20
09:20 + 35 min = 09:55

3. R13,50
Asked: change
3 × R45,50 = R136,50
R150 − R136,50 = R13,50

4. 850 ml
Asked: milk left in ml
jug: 1,5 ℓ = 1 500 ml
1 500 − 650 = 850

5. $2\frac{1}{4}$ cups
Asked: cups of sugar for 36
36 ÷ 12 = 3
$3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$

6. 0,45 m
Asked: length left
3 × 0,65 = 1,95 m
2,4 − 1,95 = 0,45

7. 224 learners
Asked: how many walk?
35% of 640 = $\frac{35}{100} \times 640 = 224$

8. 12 ℓ
Asked: litres of yellow
2 + 3 = 5 parts
20 ÷ 5 = 4 ℓ per part
3 × 4 = 12

9. 90 km/h
Asked: average speed
64 + 38 + 78 = 180 km
180 ÷ 2 = 90

10. R4 590
Asked: cost of the instant lawn
A = 12 × 8,5 = 102 m²
102 × R45 = R4 590

11. 30 ℓ
Asked: litres of water
V = 40 × 25 × 30 = 30 000 cm³
30 000 ÷ 1 000 = 30

12. 55 minutes
Asked: minutes until full
1 200 − 375 = 825 ℓ still needed
825 ÷ 15 = 55

13. R225
Asked: money left
$\frac{3}{8} \times$ R480 = R180
R480 − R180 = R300
$\frac{1}{4} \times$ R300 = R75
R300 − R75 = R225

14. R2 898
Asked: price in June
15% of R2 800 = R420
R2 800 + R420 = R3 220
10% of R3 220 = R322
R3 220 − R322 = R2 898

15. 432 m²
Asked: area
l + b = 84 ÷ 2 = 42 m
42 ÷ 7 = 6 m per part
l = 24 m, b = 18 m
A = 24 × 18 = 432 m²