

Mathematics Big 20

Grade 6: Form J

1 Write 0.65 as a fraction and a percent.	2 $\frac{1}{9} + \frac{2}{3} + \frac{1}{2}$	3 $2a^2 + 2b^3 \div 2$ $a = 5 \quad b = 2$	4 Write the prime factorization of 250.
5 $\$12.33 + f = \55	6 45% of 320	7 Find the GCF of 48 and 84.	8 $7.92 \text{ kL} = \text{___cL}$
9 8 divided by $3\frac{1}{2}$	10 $z + \frac{4}{8} = \frac{9}{32}$	11 Write 42% as a fraction and a decimal.	12 $5\frac{1}{7} - 4\frac{1}{2}$
13 Find the LCM of 24 and 36.	14 $1\frac{2}{6} \times 4\frac{1}{4}$	15 $15 \text{ cm} = \text{___km}$	16 $160 = 20x$
17 $\frac{216}{x} = 9$	18 Find the surface area and volume of a cube with an edge of 8cm.	19 $\frac{6}{25} = \frac{4}{x}$	20 \$8.00 is what percent of \$18.00?

Cube:

$$S = 6s^2 \quad V = s^3$$

Prism:

$$S = 2lh + 2lw + 2wh \quad V = lwh$$

Cylinder:

$$S = 2\pi r(r+h) \quad V = \pi r^2 h$$

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