

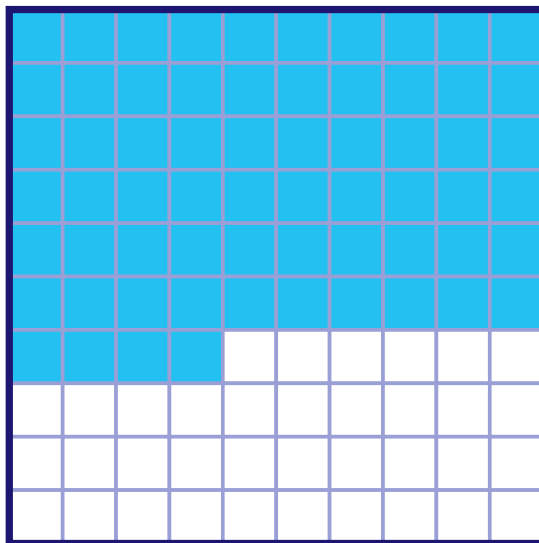
Percents: math test, Grade 6 – download the PDF

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1 Conversions

/ 4 pts

(a) In the grid, how many squares are colored, and what percent is this? Write it as a decimal.



64 out of 100

(b) Write $\frac{3}{20}$ as a percent. (c) Write **0.6** as a percent. (d) Write **175%** as a decimal.

2 Ordering

/ 3 pts

Order from least to greatest: 0.7, 65%, $\frac{2}{3}$, $\frac{3}{4}$.

3 Percent of a quantity

/ 4 pts

Calculate (no calculator): (a) 30% of 90 (b) 15% of 140 (c) 5% of 62 (d) 125% of 48.

4 Finding the whole

/ 3 pts

(a) \$32 is 40% of Ana's budget. Use a tape diagram or an equation to find her budget. (b) 27 is 90% of a number. Find the number.

5 A backpack on sale

/ 3 pts

A backpack costs \$48 and is 25% off. (a) Find the discount. (b) Find the sale price. (c) The sale price is what percent of the original price?

6 Comparing scores

/ 3 pts

Kai got 42 of 50 points on a test. Rue got 33 of 40 points on another test. Who earned the greater percent?



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