Decimals

Grade 5 · 6 questions · step-by-step answers at the end

Name: Date: Score: / 6

USEFUL EQUATIONS

$0.1 = 1/10$, $0.01 = 1/100$ $0.25 = 1/4$, $0.5 = 1/2$, $0.75 = 3/4$

$\times 10$: digits move one place left $7.2 \div 0.6 = 72 \div 6$

Questions

Show your working in the space under each question.

1. EASY Put in order, smallest first: 0.5, 0.45, 0.405, 0.54.

2. EASY Round 3.867 to 1 decimal place and to 2 decimal places.

3. MEDIUM Work out 12.6 + 3.75.

4. MEDIUM Work out 4.2×10 and $4.2 \div 100$.

5. HARD Work out 6.3 × 0.4.

6. HARD Three notebooks cost $2.35 each and a pen costs $1.80. How much change is there from $10?

Step-by-step answers

Decimals

1. Write them all with three decimal places: 0.500, 0.450, 0.405, 0.540. Order: **0.405, 0.45, 0.5, 0.54**.
2. **3.9** and **3.87**.
3. 12.60 + 3.75 = **16.35**.
4. **42** and **0.042**.
5. 63 × 4 = 252, with two decimal places: **2.52**.
6. 3 × 2.35 = 7.05. Add the pen: 8.85. Change: 10 − 8.85 = **$1.15**.