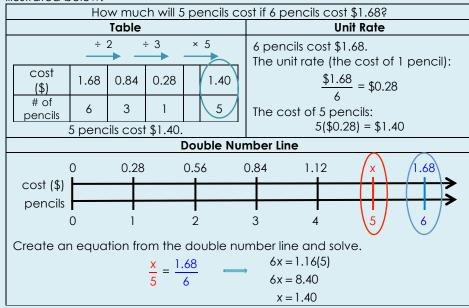
Packet 3: Proportional Reasoning Applications

Dear Parents/Guardians,

Packet 3 applies proportional reasoning strategies from Packets 1 and 2 to solve problems, including 'best buy' and scale drawings.

Strategies for Solving Proportional Reasoning Problems

Students choose strategies to solve proportional reasoning problems. A few are illustrated below.



wathematics and leaching, for Center CMAT

PROPORTIONAL REASONING

By the end of the packet, your student should know...

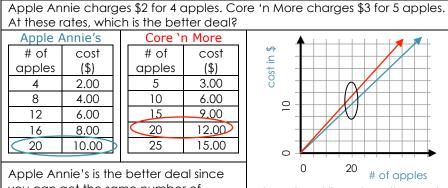
- How to solve proportional reasoning problems using various methods. Lesson 3.1
- Use tables, graphs and equations to determine the better buy. Lesson 3.2
- Determine if quantities are in a proportional
- relationship. Lessons 3.2 and 3.3 Read and analyze drawings •
- made to scale. Lesson 3.3

Additional Resources

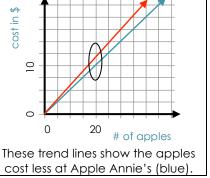
For additional information and strategies, please refer to section 3.5.

Best Buy Problems

Students use proportional reasoning strategies to determine the better buy.



you can get the same number of apples for cheaper.



Scale Drawinas

Students draw figures to scale of the original.

Original Figure	Enlarged Figure	Reduced Figure
Scale Factor is 1	Scale Factor is 2	Scale Factor is $\frac{1}{2}$
Scale 1 : 1	Scale 2 : 1	Scale $\frac{1}{2}$: 1
6 units × 6 units	12 units × 12 units	3 units × 3 units